Thermochimica Acta, 180 (1991) 345
Elsevier Science Publishers B.V., Amsterdam

AUTHOR INDEX

Abadir, M.F., 269
Allan, J.R., 39
Antonelli, M.L., 107

Balaz, P., 117
Bardakci, T., 125, 139
Barr-Howell, B.D., 147
Bernard, C., 23
Bhatta, D., 155
Birnie, J., 39
Bossi, G., 331
Burgot, G., 49
Burgot, J.-L., 49

Calvet, T., 61
Carson, B.R., 39
Chen, S.-I., 251
Chevalier, P.Y., 23
Choudhary, V.R., 69
Cuevas Diarte, M.A., 61

Ebert, I., 117
El Masry, M.A., 269
Erk, Ç., 317
Estop, E., 61

Feng, H., 81
Feutelais, Y., 89
Finch, A., 325

Gan, Y., 203
Garcia, B., 159
Gardner, P.J., 281, 325
Gargallo, L., 241
Gerrard, D.L., 39
Gordon, E.J., 147
Gospodinov, G.G., 169
Gunjikar, V.G., 69

Haget, Y., 61
Head, A.J., 325
Herrera, C.A., 159
Herrera, H., 331
Horváth, I., 307

Ishii, T., 289

Jóna, E., 307

Khater, A.M., 269
Koman, M., 307
Koner, S., 177
Kubranová, M., 307

Labrador, M., 61
Ladouce, B.D., 23
Laye, P.G., 81
Leal, J.M., 159
Legendre, B., 89
Leu, A.-L., 251
Lopez, P.C., 331
Luciani, M., 107

Mahajan, G.R., 185
Mahdy, A.N., 269
Majdi, H.S., 325
Mathews, M.D., 191
Matos, J.S., 1
Melo, D.M.A., 332
Mirza, E.B., 191
Mishra, Ms.S., 155
Momin, A.C., 191
Morgant, G., 89
Murali, M.S., 185

Nair, G.M., 185
Natarajan, P.R., 185
Nývlt, J., 225

Oliveira, O.A., 332
Ortega, J., 1

Palecz, B., 199
Pan, W.-P., 203
Pancholi, H.B., 219
Pandit, M.Y., 69
Papazova-Dencheva, K., 225
Pataskar, S.G., 69
Patel, M.M., 219
Pekárek, V., 225
Perez, E., 1
Prabhu, D.R., 185
Preston, S.R., 281

Radić, D., 241
Ray Chaudhuri, N., 177
Reich, L., 303

Sahoo, M.K., 155
Schnitter, J., 89
Serageldin, M.A., 203
Shaaban, A.F., 9
Shen, S.-M., 251
Shukla, J.P., 185
Silvestroni, L., 107
Šípek, M., 225
Slanina, Z., 99

Takemura, T., 289
Tashiro, N., 289
Tauler, E., 61
Turvey, K., 39

Vahlas, C., 23
Vandenbulcke, L., 23
Vicentini, G., 332

Yeh, H.-C., 251
Younis, S.S., 269

Zinner, L.B., 332

Thermochimica Acta, 180 (1991) 347–349
Elsevier Science Publishers B.V., Amsterdam

SUBJECT INDEX

Al_2O_3
Regularities in the formation of selenites in the three-component system Al_2O_3–SeO_2–H_2O and their properties, 169
Alkanols
Thermodynamics of 2-pyrrolidinone + *n*-alkanol binary mixtures: activation properties, 159

Barium oxalate
Role of semiconductive oxides in the thermal decomposition of barium oxalate, 155
Basic magnesium carbonate
Thermal analysis of basic magnesium carbonate containing different alkali metal carbonates, 69

CaO
Determination of the kinetic parameters of the reaction between SO_2 and CaO using the thermogravimetric technique, 9
Carbon dioxide
Temperature and saturation effects on diffusion of carbon dioxide through Topopah Spring Tuff. Part I, 125
para-Chloroiodobenzene
Molecular alloys in the series of *para*-disubstituted benzene derivatives. Part 6. The *para*-dichlorobenzene– *para*-chloroiodobenzene system, 61
Coal blends
A study of thermal analytical values for coal blends burned in an air atmosphere, 203
Cr_3B_4
Kinetics of oxidation of Cr_3B_4 cermets cemented by different metallic binders. Part I. Using iron as a binder, 269
18-Crown-6 complexes
The ion–dipole interaction mechanism of macrocyclic ethers with ^{13}C dipole–dipole relaxation time measurements. Part 9. The stabilities of 18-crown-6 complexes with Na^+ and K^+ in D_2O and methanol-d, 317
Cyclohexane
Volumetric behaviour of binary systems of cyclohexane with the hexanol isomers at 298.15 K, 1

Databases
Use of databases in thermal analysis, 303
Di(2-ethylhexyl)sulphoxide
Influence of temperature on the extraction of uranium(VI) and plutonium(IV) from nitric acid into *n*-dodecane by di(2-ethylhexyl)-sulphoxide, 185
Diamine complexes
Thermal octahedral ⇄ square-planar transformation of diamine complexes of nickel(II) trifluoromethanesulphonate in the solid phase, 177
para-Dichlorobenzene
Molecular alloys in the series of *para*-disubstituted benzene derivatives. Part 6. The *para*-dichlorobenzene– *para*-chloroiodobenzene system, 61
DMF
Calorimetric study of the reaction between lanthanoid trifluoromethanesulphonates and dimethylformamide (DMF) in ethanolic solution, 332

Ephedrine
Kinetics of the thermometric titration of ephedrine in the presence of *n*-octanol, 49
ETA
ETA studies of the surface layer of titanium oxide powders prepared by various grinding and sieving treatments, 289

GAP/BDNPA/BDNPF
Thermal characteristics of GAP, GAP/BDNPA/BDNPF and PEG/BDNPA/BDNPF and the energetic composites thereof, 251
Glycine
Enthalpies of solution of glycine in aqueous electrolyte solutions at 298.15 K, 199

Heat-flux DSC
A new high-temperature thermocouple assembly for heat-flux differential scanning calorimetry, 81
Hexanol
Volumetric behaviour of binary systems of cyclohexane with the hexanol isomers at 298.15 K, 1

Indium(I) bromide
The high temperature heat capacities of indium(I) bromide and indium(III) bromide by differential scanning calorimetry, 281
Indium(III) bromide
The high temperature heat capacities of indium(I) bromide and indium(III) bromide by differential scanning calorimetry, 281
Iodine
The effect of temperature on diffusion of iodine through Topopah Spring Tuff. Part II, 139
Ion–dipole interaction
The ion–dipole interaction mechanism of macrocyclic ethers with ^{13}C dipole–dipole relaxation time measurements. Part 9. The stabilities of 18-crown-6 complexes with Na^+ and K^+ in D_2O and methanol-d, 317

KCl–KBr mixed crystals
Enthalpy of mixing in KCl–KBr mixed crystals at 25 °C, 225

$LaBa_2Cu_{3-y}M_yO_x$ (M = Ni, Li; $y = 0, 0.1$)
Thermogravimetric and dilatometric studies of $LaBa_2Cu_{3-y}M_yO_x$ (M = Ni, Li; $y = 0, 0.1$), 191

$NiL_4(NCS)_2$ (L = piperidine, pyridine or 3-ethylpyridine)
Thermal decomposition reactions of nickel(II) complexes under quasi-equilibrium conditions. Part I. Study of the relationship between thermal parameters and degree of distortion of the coordination polyhedron of the complexes $NiL_4(NCS)_2$ (L = piperidine, pyridine or 3-ethylpyridine), 307

n-Octanol
Kinetics of the thermometric titration of ephedrine in the presence of *n*-octanol, 49

PEG/BDNPA/BDNPF
Thermal characteristics of GAP, GAP/BDNPA/BDNPF and PEG/BDNPA/BDNPF and the energetic composites thereof, 251
Plutonium(IV)
Influence of temperature on the extraction of uranium(VI) and plutonium(IV) from nitric acid into *n*-dodecane by di(2-ethylhexyl)-sulphoxide, 185
Poly(4-vinylpyridine)
Preparation, characterization, thermal and electrical studies of poly(4-vinylpyridine) and its cobalt(II) bromide complex, 39
Poly(mono-itaconates)
Thermal behaviour of polymer blends containing poly(mono-itaconates) and poly(thiocarbonates), 241
Poly(thiocarbonates)
Thermal behaviour of polymer blends containing poly(mono-itaconates) and poly(thiocarbonates), 241
2-Pyrrolidinone
Thermodynamics of 2-pyrrolidinone + *n*-alkanol binary mixtures: activation properties, 159

Resacetophenoneoxime
Synthesis, characterisation and thermal studies of resacetophenoneoxime–thiourea–trioxane resins, 219
Resins
Synthesis, characterisation and thermal studies of resacetophenoneoxime–thiourea–trioxane resins, 219

Second virial coefficient
The second virial coefficient of water and heavy water: a computational evaluation of the isotopic difference within the MCY-type semi-rigid potentials, 99
Selenium
Thermodynamic properties of binary liquid thallium–selenium solutions, 89
Semiconductive oxides
Role of semiconductive oxides in the thermal decomposition of barium oxalate, 155
SeO_2
Regularities in the formation of selenites in the three-component system Al_2O_3–SeO_2–H_2O and their properties, 169
Silt
Thermogravimetry of surface silt in the province of Tucuman (Argentina): kinetic study, 331
Silver acetylide
The standard enthalpy of formation of silver acetylide, 325
SO_2
Determination of the kinetic parameters of the reaction between SO_2 and CaO using the thermogravimetric technique, 9
Solvent desorption
A study of the transport properties of solvent desorption from experimental films using thermogravimetric analysis, 147
Sperm
The microcalorimetric approach to human sperm physiology, 107

Sphalerite
Thermal decomposition of mechanically activated sphalerite, 117

Thallium
Thermodynamic properties of binary liquid thallium–selenium solutions, 89
Thiourea
Synthesis, characterisation and thermal studies of resacetophenoneoxime–thiourea–trioxane resins, 219
Ti–N
A thermodynamic evaluation of the Ti–N system, 23
Titanium oxide
ETA studies of the surface layer of titanium oxide powders prepared by various grinding and sieving treatments, 289
Topopah Spring Tuff
Temperature and saturation effects on diffusion of carbon dioxide through Topopah Spring Tuff. Part I, 125
The effect of temperature on diffusion of iodine through Topopah Spring Tuff. Part II, 139
Transport properties
The study of the transport properties of solvent desorption from experimental films using thermogravimetric analysis, 147
Trifluoromethanesulphonates
Calorimetric study of the reaction between lanthanoid trifluoromethanesulphonates and dimethylformamide (DMF) in ethanolic solution, 332
Trioxane
Synthesis, characterisation and thermal studies of resacetophenoneoxime–thiourea–trioxane resins, 219

Uranium(VI)
Influence of temperature on the extraction of uranium(VI) and plutonium(IV) from nitric acid into *n*-dodecane by di(2-ethylhexyl)-sulphoxide, 185